ELSEVIER

Journal of Magnetism and Magnetic Materials 175 (1997) 337–340

Journal of magnetism and magnetic materials

Author index to volume 175

Abarra, E.N., P. Glijer, H. Kisker, I. Okamoto and T. Suzuki, Thermal stability and micromagnetic properties of high-density CoCrPtTa longitudinal media 148
Allen, W., see Gregg, J. 1
Aminov, T.G., see Warczewski, J. 299
Atherton, D.L., see Mandal, K. 255
Atkinson, R., see Gerber, R. 79

Babić Stojić, B., see Šoškić, Z. 311
Bardou, N., see Jamet, J.P. 125
Bartenlian, B., see Hillebrands, B. 10
Bartenlian, B., see Jamet, J.P. 125
Bauer, M., see Hillebrands, B. 10
Bayreuther, G., see Zölfl, M. 16
Bensch, F., see Zölfl, M. 16
Binek, Ch., see Petracic, O. 272
Bordère, S., S. Buzdin, B. Chevalier, D. Laffargue and J. Etourneau, Application of the anisotropic RKKY model on the composition dependence of the Néel temperature for $U_2(Ni_{1-x}Pd_x)_2Sn$ system 263
Brockmann, M., see Zölfl, M. 16
Busheva, E.V., see Warczewski, J. 299
Büttner, O., see Hillebrands, B. 10
Buzdin, S., see Bordère, S. 263

Calleja, J.F., see Contreras, M.C. 64
Cambril, E., see Hillebrands, B. 10
Carey, R., L. Dieu and D.M. Newman, Compositionally modulated films for magneto-optic recording 99
Chantrell, R.W., K.M. Tako, M. Wongsam, N. Walmsley and T. Schrefl, Magnetic properties and microstructure of thin-film media 137
Chapman, J.N., The direct observation of magnetization reversal processes in films of interest for high-density information storage by TEM 113
Chapman, J.N., see Schrefl, T. 193
Chappert, C., see Hillebrands, B. 10
Chappert, C., see Jamet, J.P. 125
Chen, G., see Yang, X.L. 285
Chérif, S.M., C. Dugautier, J.-F. Hennequin and P. Moch, Brillouin light scattering by magnetic surface waves in dot-structured permalloy layers 228
Chevalier, B., see Bordère, S. 263

Contreras, M.C., J.F. Calleja, M. Rivas, M.O. Gutiérrez and J.A. Corrales, TBIS measurements performed by MOKE for the study of soft ferromagnetic thin films and sandwiches: In-plane and biaxial anisotropies, local anisotropy and dispersion 64
Corey, A., see Mandal, K. 255
Corrales, J.A., see Contreras, M.C. 64
Cottenier, S., see Swinnen, B. 23

Da Costa, V., see Gregg, J. 1
Daoud-Aladine, A., see Mirebeau, I. 290
Decanini, D., see Hillebrands, B. 10
Decanini, D., see Jamet, J.P. 125
Dekoster, J., see Swinnen, B. 23
Demokritov, S.O., see Hillebrands, B. 10
Demuynck, S., see Swinnen, B. 23
Denanot, M.F., see Rahmoune, M. 219
Dieu, L., see Carey, R. 99
Ding, J., see Miao, W.F. 304
Ding, W.-P., see Guo, Z.-B. 333
Du, Y.-W., see Guo, Z.-B. 333
Dubois, S., see Piraux, L. 127
Dugautier, C., see Chérif, S.M. 228
Duvail, J.L., see Piraux, L. 127

Eggers, G., see Güntherodt, G. 63
Eilon, M.G., P.J. Thompson, D.S. Geoghegan and R. Street, A classical Ising model and magnetic viscosity in thin films 249
Etourneau, J., see Bordère, S. 263
Eymery, J.P., see Rahmoune, M. 219

Fernandez-Diaz, M.T., see Mirebeau, I. 290
Ferré, J., see Jamet, J.P. 125
Ferrier, R.P. and Y. Liu, Determination of writing head fields by electron beam tomography 111
Fert, A., see Petroff, F. 33
Fert, A., see Piraux, L. 127
Fettar, F., see Petroff, F. 33
Fidler, J., see Schrefl, T. 193
Filimonov, D.S., see Warczewski, J. 299
Fischer, R., see Kronmüller, H. 177
Fumagalli, P., see Güntherodt, G. 63

0304-8853/97/$17.00 © 1997 Elsevier Science B.V. All rights reserved

Geoghegan, D.S., see Eilon, M.G. 249
Gerber, R., R. Atkinson and Z. Šimša, Magnetism and magneto-optics of hexaferrite layers 79
Gester, M., see Gregg, J. 1
Glijer, P., see Abarra, E.N. 148
Gregg, J., W. Allen, N. Viart, R. Kirschman, C. Sirisathitkul, J.-P. Schille, M. Gester, S. Thompson, P. Sparks, V. Da Costa, K. Ounadjela and M. Skvarla, The art of sp↑n electron↓cs 1
Güntherodt, G., P. Fumagalli, U. Rüdiger, G. Eggers, T. Roos, A. Rosenberger, N. Held and A. Münnemann, New concepts for magneto-optic data storage: MnBi revisited and magneto-optic SNOM 63
Guo, Z.-B., W.-P. Ding, W. Zhong, J.-R. Zhang and You-Wei Du, Preparation and magnetic properties of $SrFe_{12}O_{19}$ particles prepared by the salt-melt method 333
Gutiérrez, M.O., see Contreras, M.C. 64

Hadjoudj, S., S. Senoussi, M.F. Mosbah and Y. Öner, Influence of palladium on the unidirectional anisotropy field in NiMn disordered systems 328
Hartmann, C., see Hillebrands, B. 10
Hartmann, U., see Hillebrands, B. 10
Held, N., see Güntherodt, G. 63
Hennequin, J.-F., see Chérif, S.M. 228
Hennion, M., see Mirebeau, I. 290
Hertel, R., see Kronmüller, H. 177
Hillebrands, B., C. Mathieu, C. Hartmann, M. Bauer, O. Büttner, S. Riedling, B. Roos, S.O. Demokritov, B. Bartenlian, C. Chappert, D. Decanini, F. Rousseaux, E. Cambril, A. Müller, B. Hoffmann and U. Hartmann, Static and dynamic properties of patterned magnetic permalloy films 10
Hoffmann, B., see Hillebrands, B. 10
Holody, P., see Petroff, F. 33
Hu, B.Y., see Yang, X.L. 285
Hubert, A., see Wenzel, L. 205

Jakubovics, J.P., Recent developments in the application of Lorentz microscopy to the study of thin layered systems 107
Jamet, J.P., B. Bartenlian, N. Bardou, P. Meyer, F. Rousseaux, D. Decanini, P. Veilllet, S. Lemerle, J. Ferré and C. Chappert, Magneto-optical study of the magnetization reversal dynamics of dot arrays patterned in Au/Co(5 ML)/Au films with perpendicular anisotropy 125
Jiang, K.Y., see Yang, X.L. 285

Kamberský, V., see Wenzel, L. 205
Kessler, Ya.A., see Warczewski, J. 299
Kirk, K.J., see Schrefl, T. 193
Kirschman, R., see Gregg, J. 1
Kisker, H., see Abarra, E.N. 148
Kleemann, W., see Petracic, O. 272
Köhler, M., see Zölfl, M. 16
Koroleva, L.I., see Warczewski, J. 299
Kowalczyk, A., The intrinsic magnetic properties of $R_2Co_7B_3$ (R = rare earth) intermetallic compounds 279
Kreuzer, S., see Zölfl, M. 16
Krishnan, R., M. Nyvlt and S. Visnovsky, Magneto-optic multilayers: Fundamental and technological aspects 90
Kronmüller, H., R. Fischer, R. Hertel and T. Leineweber, Micromagnetism and the microstructure in nanocrystalline materials 177
Kusz, J., see Warczewski, J. 299

Laffargue, D., see Bordère, S. 263
Langouche, G., see Swinnen, B. 23
Lee, S.F., see Petroff, F. 33
Leineweber, T., see Kronmüller, H. 177
Lemerle, S., see Jamet, J.P. 125
Lewis, L.H., D.O. Welch and V. Panchanathan, Curie temperature enhancement of $Nd_2Fe_{14}B$ in nanocomposite exchange-spring alloys 275
Liang, G., see Xi, H. 319
Liu, Y., see Ferrier, R.P. 111
Lodder, J.C., D.J. Monsma, R. Mollema, T. Shimatsu and R. Vlutters, Latest developments of the spin-valve transistor 159
Loukas, M.E., see Mandal, K. 255

Mandal, K., M.E. Loukas, A. Corey and D.L. Atherton, Magnetic Barkhausen noise indications of stress concentrations near pits of various depths 255
Markert, J.T., see Xi, H. 319
Mathieu, C., see Hillebrands, B. 10
Maurice, J.L., see Petroff, F. 33
McCormick, P.G., see Miao, W.F. 304
Meersschaut, J., see Swinnen, B. 23
Meyer, P., see Jamet, J.P. 125
Miao, W.F., J. Ding, P.G. McCormick and R. Street, Magnetic behaviour of mechanically milled $(Nd_{1-x}Dy_x)_8Fe_{88}B_4$ 304
Miethaner, S., see Zölfl, M. 16
Mikheev, M.G., see Warczewski, J. 299
Milivojević, D., see Šoškić, Z. 311
Mirebeau, I., E. Suard, M. Hennion, M.T. Fernandez-Diaz, A. Daoud-Aladine and A. Nateprov, Chemical and magnetic order in $ZnMn_2As_2$ as studied by neutron diffraction 290
Moch, P., see Chérif, S.M. 228
Mochizuki, K., see Xi, H. 319
Mollema, R., see Lodder, J.C. 159
Monsma, D.J., see Lodder, J.C. 159
Mosbah, M.F., see Hadjoudj, S. 328
Müller, A., see Hillebrands, B. 10
Münnemann, A., see Güntherodt, G. 63

Nateprov, A., see Mirebeau, I. 290
Newman, D.M., see Carey, R. 99
Nyvlt, M., see Krishnan, R. 90

Odintsov, A.G., see Warczewski, J. 299
Okamoto, I., see Abarra, E.N. 148
Öner, Y., see Hadjoudj, S. 328
Ounadjela, K., see Gregg, J. 1
Ounadjela, K., see Piraux, L. 127

Panchanathan, V., see Lewis, L.H. 275
Petford-Long, A.K., In situ transmission electron microscope studies of information storage materials 109
Petracic, O., Ch. Binek and W. Kleemann, Polydispersivity of non-critical field-induced fluctuations in $FeBr_2$ 272
Petroff, F., L.F. Schelp, S.F. Lee, F. Fettar, P. Holody, A. Vaures, J.L. Maurice and A. Fert, Spin-dependent tunneling in granular magnetic tunnel junctions 33
Phillips, G.N. and T. Suzuki, Quantitative analysis of written bit transitions in 5 Gbit/in^2 media by magnetic force microscopy 115
Piraux, L., S. Dubois, J.L. Duvail, K. Ounadjela and A. Fert, Arrays of nanowires of magnetic metals and multilayers: Perpendicular GMR and magnetic properties 127
Pittini, R., see Schoenes, J. 51
Pleshanov, N.K., see Pusenkov, V.M. 237
Pusenkov, V.M., N.K. Pleshanov, V.G. Syromyatnikov, V.A. Ul'yanov and A.F. Schebetov, Study of domain structure of thin magnetic films by polarised neutron reflectometry 237

Rahmoune, M., J.P. Eymery and M.F. Denanot, Analysis of interfacial reactions of Fe films on monocrystalline GaAs 219
Rasing, Th., Nonlinear magneto-optics 35
Riedling, S., see Hillebrands, B. 10
Rivas, M., see Contreras, M.C. 64
Roos, B., see Hillebrands, B. 10
Roos, T., see Güntherodt, G. 63
Rosenberger, A., see Güntherodt, G. 63
Rots, M., see Swinnen, B. 23
Rousseaux, F., see Hillebrands, B. 10
Rousseaux, F., see Jamet, J.P. 125
Rüdiger, U., see Güntherodt, G. 63

Schebetov, A.F., see Pusenkov, V.M. 237
Schelp, L.F., see Petroff, F. 33
Schille, J.-P., see Gregg, J. 1
Schneider, C.M., Soft X-ray photoemission electron microscopy as an element-specific probe of magnetic microstructures 160
Schoenes, J. and R. Pittini, Giant magneto-optical Kerr effect in cerium compounds 51
Schrefl, T., J. Fidler, K.J. Kirk and J.N. Chapman, Domain structures and switching mechanisms in patterned magnetic elements 193
Schrefl, T., see Chantrell, R.W. 137
Schuetz, G., Magnetic absorption 34
Schweinböck, T., see Zölfl, M. 16
Senoussi, S., see Hadjoudj, S. 328
Shabunina, G.G., see Warczewski, J. 299
Shen, G.T., see Yang, X.L. 285
Shimatsu, T., see Lodder, J.C. 159
Šimša, Z., see Gerber, R. 79
Sirisathitkul, C., see Gregg, J. 1
Skvarla, M., see Gregg, J. 1
Šoškić, Z., B. Babić Stojić, M. Stojić, D. Milivojević, A. Szytula and Z. Tomkowicz, Magnetic susceptibility of $Hg_{1-x}Fe_xSe$ 311
Sparks, P., see Gregg, J. 1
Stojić, M., see Šoškić, Z. 311
Street, R., see Eilon, M.G. 249
Street, R., see Miao, W.F. 304
Suard, E., see Mirebeau, I. 290
Suzuki, T., see Abarra, E.N. 148
Suzuki, T., see Phillips, G.N. 115
Suzuki, T., see Van Drent, W.P. 53
Swinnen, B., J. Dekoster, J. Meersschaut, S. Demuynck, S. Cottenier, G. Langouche and M. Rots, Structure and magnetism of BCC-Fe/Co multilayers studied by means of perturbed angular correlation spectroscopy 23
Syromyatnikov, V.G., see Pusenkov, V.M. 237
Szytula, A., see Šoškić, Z. 311

Tako, K.M., see Chantrell, R.W. 137
Tang, B., see Xi, H. 319
Thompson, P.J., see Eilon, M.G. 249
Thompson, S., see Gregg, J. 1
Tomkowicz, Z., see Šoškić, Z. 311

Ul'yanov, V.A., see Pusenkov, V.M. 237

Van Drent, W.P. and T. Suzuki, Ultra-violet range magneto-optic study of FCC-Co and Co/Pt multilayers 53
Vaures, A., see Petroff, F. 33
Veilllet, P., see Jamet, J.P. 125
Viart, N., see Gregg, J. 1
Visnovsky, S., see Krishnan, R. 90
Vlutters, R., see Lodder, J.C. 159

Walmsley, N., see Chantrell, R.W. 137
Warczewski, J., J. Kusz, D.S. Filimonov, Ya.A. Kessler, L.I. Koroleva, M.G. Mikheev, A.G. Odintsov, T.G. Aminov, E.V. Busheva and G.G. Shabunina, New antiferromagnetic semiconductor $CuCr_{1.5}Sb_{0.5}S_4$ 299
Welch, D.O., see Lewis, L.H. 275
Wenzel, L., A. Hubert and V. Kamberský, Transparent simulation of magneto-optic diffraction from arbitrary magnetic multilayers 205
Wongsam, M., see Chantrell, R.W. 137

Xi, H., G. Liang, K. Mochizuki, B. Tang and J.T. Markert, Magnetic properties of the $Sm_{1-x}Ce_xMn_2Ge_2$ system 319

Yang, J.X., see Yang, X.L. 285

Yang, X.L., J.X. Yang, G. Chen, G.T. Shen, B.Y. Hu and K.Y. Jiang, Magneto-impedance effect in field- and stress-annealed Fe-based nanocrystalline alloys 285

Zhang, J.-R., see Guo, Z.-B. 333

Zhong, W., see Guo, Z.-B. 333

Zölfl, M., M. Brockmann, M. Köhler, S. Kreuzer, T. Schweinböck, S. Miethaner, F. Bensch and G. Bayreuther, Magnetic films epitaxially grown on semiconductors 16

ELSEVIER

Journal of Magnetism and Magnetic Materials 175 (1997) 341–342

Journal of magnetism and magnetic materials

Subject index to volume 175

Anisotropy 10, 90, 285
Anisotropy field 328
Annealing 285
Antiferromagnetism 263, 299, 319

Barkhausen noise 255
Biaxial anisotropy 64
Bit transition width 115
Brillouin light scattering 228

Classical spin system 249
Coercivity 333
Conversion electron Mössbauer spectroscopy 219
Crystal field 311
Curie temperature 275, 279

Defects 255
Diffraction 205
Diluted magnetic semiconductors 311
Disordered systems 328
Domain imaging 160
Domain wall motion 193
Domain writing 99
Domains 237

E-beam lithography 228
Epitaxial films 16
Exchange 311
Exchange coupling 275
Exchange interaction 279, 304

Fe on GaAs 16
Ferrite 333
Finite element method 137, 177
Finite element techniques 193
Fluctuations 272

Gallium arsenide 219
Giant magnetoresistance 127

Hard magnetic phase 304
Hexaferrites 79
High-resolution electron microscopy 219
Hyperfine interactions 23

Information storage 90
Interface magnetism 23
Interfaces 219
Ion beam sputtering 228
Ising model 249

Layers 79
Lorentz electron microscopy 193

Magnetic anisotropy 16, 64
Magnetic bilayers and sandwiches 64
Magnetic circular dichroism 160
Magnetic dots 10
Magnetic field sensor 1
Magnetic force microscopy 115, 148
Magnetic imaging 35
Magnetic moments 16
Magnetic multilayers 35
Magnetic nano-elements 193
Magnetic order 290
Magnetic phase 290
Magnetic phase diagram 319
Magnetic properties 319
Magnetic recording media – longitudinal 115, 148
Magnetic susceptibility 64, 311
Magnetic viscosity 249
Magnetisation reversal 193
Magnetism 79
Magneto-impedance effect 285
Magneto-optic Kerr spectroscopy 53
Magneto-optic recording media 99
Magneto-optics 35, 64, 79, 90, 205
Magnetoresistance – perpendicular 127
Manufacturing 333
Metal–semiconductor interface 16
Metamagnetism 272

Micromagnetic simulations 137
Micromagnetics 148, 193
Micromagnetism 177
Microstructure 137, 177
Monte Carlo algorithm 249
Multilayers 23, 53, 90, 127, 205

Nanocomposite 275
Nanocomposite permanent magnet 304
Nanocrystalline alloy 285
Nanocrystallization 177
Nanowires 127
Nondestructive testing 255
Nonlinear optics 35

Permanent magnets 333
Photoemission spectroscopy 160
Polarization analysis 237
Polydispersivity 272

Rare-earth compounds 319
Re-entrant ferromagnetism 319
Reflectometry 237
Remanence 304
RKKY interactions 263

Saturation magnetization 279
Semiconductor 290
Simulation 205
Soft magnetic phase 304
SPICE 1
Spin accumulation 1
Spin diffusion length 1
Spin electronics 1
Spin transistor 1
Spin waves 10
Spin–orbit effects 311
Spin–orbit coupling 328
Spinel 299
Sputter deposition 99
Stannides 263
Stoner–Wohlfarth particle 249
Stress 255

Structure 290
Submicronic structure 228
Susceptibility 328
Susceptibility-dispersion 272
Synthetic florensovite 299

Thermal stability 148
Thin film 249
Thin films – sputtered 99
Thin films 237
Thin-film magnetism 35
Thin-film media 137

Uranium 263